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NOTICE OF ALLOWANCE AND FEE(S) DUE

28075

7590

02/16/2010

CROMPTON, SEAGER & TUFTE, LLC 1221 NICOLLET AVENUE SUITE 800 MINNEAPOLIS, MN 55403-2420

EXAMINER				
AUGHENBAUGH, WALTER				
ART UNIT	PAPER NUMBER			

1794

DATE MAILED: 02/16/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/669,059	09/23/2003	Victor Schoenle	1001.2325101	2738

TITLE OF INVENTION: MEDICAL DEVICE COMPONENTS AND PROCESSES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/17/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)			Fee(s	c) Transmittal This	certif	icate cannot be used fo	domestic mailings of the or any other accompanying t or formal drawing, must	
1221 NICOLLE SUITE 800	SEAGER & TUF T AVENUE	⁷²⁰¹⁰ TE, LLC			Cert	ificate	of Mailing or Transn	
MINNEAPOLIS	S, MN 55403-2420							(Depositor's name)
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO:	RNEY DOCKET NO.	CONFIRMATION NO.
10/669,059	09/23/2003		Victor Schoenle				1001.2325101	2738
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nonprovisional	NO	\$1510	\$300		\$0		\$1810	05/17/2010
EXAM	IINER	ART UNIT	CLASS-SUBCLASS					
AUGHENBAU	GH, WALTER	1794	428-036900					
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.					
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE		data will appear on the Tasubstitute for filing (B) RESIDENCE: (C	ne pa g an a	atent. If an assigne assignment. and STATE OR Co	OUNT	TRY)	cument has been filed for
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a. The following fee(s) are submitted: Issue Fee A check is enclosed. Publication Fee (No small entity discount permitted) Advance Order - # of Copies				ched. required fee(s), any def				
	tus (from status indicated is SMALL ENTITY statu	,	☐ b. Applicant is no	long	ger claiming SMAL	L ENT	ΓΙΤΥ status. See 37 CF	R 1.27(g)(2).
OTE: The Issue Fee an iterest as shown by the	d Publication Fee (if requeecords of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other the Office.	an th	ne applicant; a regis	tered a	attorney or agent; or the	e assignee or other party in
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28075 7	590 02/16/2010		EXAM	INER
CROMPTON, S	EAGER & TUFTE, I	LC	AUGHENBAU	GH, WALTER
1221 NICOLLET	AVENUE		ART UNIT	PAPER NUMBER
SUITE 800 MINNEAPOLIS,	MN 55403-2420		1794 DATE MAIL ED: 02/16/201	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 268 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 268 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)			
	10/669,059	SCHOENLE ET AL.			
Notice of Allowability	Examiner	Art Unit			
	 WALTER B. AUGHENBAUGH	1794			
The MAILING DATE of this communication appears All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ag or other appropriate communicatio IGHTS. This application is subject and MPEP 1308.	oplication. If not included n will be mailed in due course. THIS			
2. X The allowed claim(s) is/are 74,77-79,84,87,88,130,132,140	0,142,144-150 and 152.				
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents 	e been received. been received in Application No				
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers	MENT of this application. itted. Note the attached EXAMINER es reason(s) why the oath or declar st be submitted.	R'S AMENDMENT or NOTICE OF ation is deficient.			
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date					
 (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 					
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	9.	y (PTO-413), ate			
	/Rena L. Dye/				
	Supervisory Patent Ex	caminer, Art Unit 1794			

Art Unit: 1794

EXAMINER'S AMENDMENT

1. The After-Final Amendment filed January 6, 2010 has been received, considered and

entered by Examiner.

2. An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

3. Authorization for this examiner's amendment was given in a telephone interview with J.

Scot Wickhem on January 25, 2010.

4. The application has been amended as follows:

In the specification, at line 5, between "September 26, 2002" and "and entitled", insert --,

now U.S. Patent No. 7,323,233,--.

In claim 84, line 8, delete "of the component".

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Allowable Subject Matter

5. Claims 74, 77-79, 84, 87, 88, 130, 132, 140, 142, 144-150 and 152 are allowed.

Reasons for Allowance

6. The following is an examiner's statement of reasons for allowance:

In regard to independent claim 74, the prior art of record fails to teach or suggest:

a balloon catheter having a proximal end and a distal end, comprising:

a catheter shaft;

a balloon having a proximal end and a distal end, the balloon disposed on the catheter shaft such that a length of the catheter shaft extending between the proximal end of the catheter shaft and the proximal end of the balloon has no balloons attached thereto,

wherein the catheter shaft includes a region that comprises a polyamide having a tensile strength of at least about 21,000 psi, wherein the region is tube-shaped and has a wall thickness of about 0.001 inch to about 0.04 inch, wherein the region is at least partially disposed proximally of the proximal end of the balloon.

In regard to independent claim 84, the prior art of record fails to teach or suggest:

a balloon catheter having a proximal end and a distal end, comprising:

a catheter shaft;

a balloon having a proximal end and a distal end, the balloon disposed on the catheter shaft such that a length of the catheter shaft extending between the proximal end of the catheter shaft and the proximal end of the balloon has no balloons attached thereto,

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wherein the catheter shaft includes a region that comprises a polyamide having a hoop stress of at least about 3300 psi, wherein the region is tube-shaped and has a wall thickness of about 0.001 inch to about 0.04 inch, wherein the region is at least partially disposed proximally of the proximal end of the balloon.

- 7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
- 8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Walter B. Aughenbaugh whose telephone number is (571) 272-1488. The examiner can normally be reached on Monday-Thursday from 9:00am to 7:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rena Dye, can be reached on (571) 272-3186. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Walter B. Aughenbaugh 01/26/10

/Rena L. Dye/ Supervisory Patent Examiner, Art Unit 1794